

## A COMPARATIVE STUDY OF PRE-SERVICE AND IN-SERVICE TEACHERS ATTITUDE TOWARDS INFORMATION COMMUNICATION TECHNOLOGY (ICT)

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### ABSTARCT

*As we know the whole world is moving around Information and Communication technology. Every aspect of society is touched by Information and communication technology. Similarly, the education system is also becoming ICT centric, especially after covid-19 the whole education system is governed by technology-based education but after covid-19 most, most of the education institutions turned to the traditional way of teaching-learning. If the whole world's education system is updated with ICT and our system will turn into a traditional way of Teaching and learning it will be very difficult to compete with our generation in a global world. Teacher plays a vital role in the transformation of the education system so it is very necessary to develop teachers' positive attitude towards ICT. This paper is trying to know the attitude of in-service as well as pre-service teacher's attitude towards ICT. About 151 teachers (in-service 60 and pre-service 91), (Male-32 and Female-119) teachers were asked through like scale to know their attitude towards ICT. Key words: TEL, ICT Attitude In-service and pre-service*



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**Introduction:** Nowadays the whole world is governed by Information communication technology. Every single human being is familiar with Information communication technology at least every adult can use a smartphone to do various day-to-day activities. Now it's time to make our generation ready to use ICT for educational purposes. Teacher's role is very important in developing a technology-based education system among students. So, it is necessary to know the status of pre-service as well as in-service teachers' attitudes towards ICT. There is outstanding development in the various areas of ICT such as e-learning, interactive tools, LMS (e.g. CANVAS, Google classroom etc.), web-based learning, Technology Enabled Learning, and Flipped classroom etc. of the education system and the well-developed attitude of teachers will play a vital role in making India globally competent. The newly developed teaching-learning techniques of education like

constructivism, Flipped classroom, embodied learning, and experiential learning also have good space to use ICT in the teaching-learning process. ICT is also helpful to make learning enjoyable and learn at own pace and understanding level of students with their ability and understanding level.

**Objectives:**

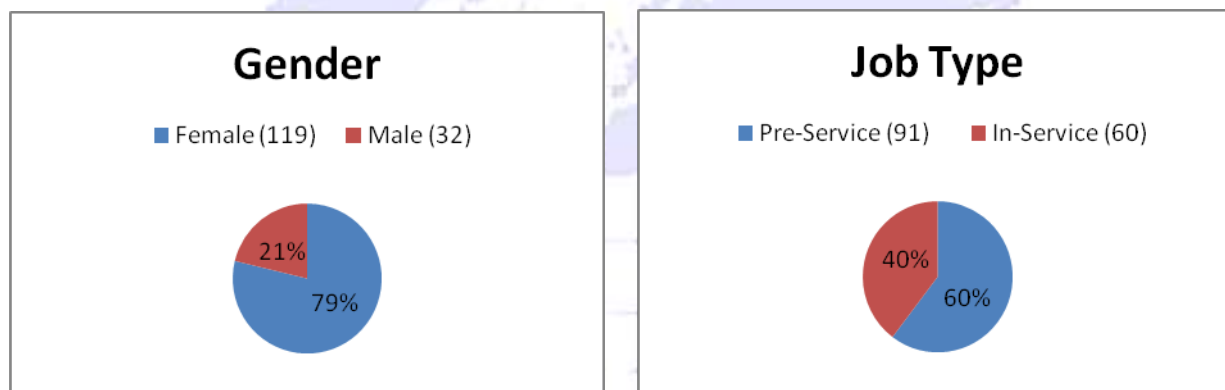
1. To study pre-service and in-service teachers understanding about ICT.
2. To study pre-service and in-service teachers self-learning motivation status about ICT Learning.

**Tools:** A self-prepared 5 point Likert scale.

**Methodology:** Descriptive survey method

**Sampling:** 151 teachers (in-service 60 and pre-service 91), (Male-32 and Female-119) were selected by purposive sampling method available in PVDT College of education for women and M.A. Education (Distance mode) students in-service

**Analysis and interpretation:**



**Table no: 1: Pre-service teachers understanding about ICT.**

Sr. No.	Statement	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
01	I am well aware bout new trends in ICT	5	07	23	45	12
02	I have a mastery over ICT	8	17	30	31	05
03	I am interested in learning new things related to ICT	02	02	13	27	47
04	I am using LMS in my teaching	05	10	28	39	09
05	Teaching with ICT is time consuming process	11	41	22	12	5
06	ICT is cost effective	14	09	23	37	13
07	ICT makes student knowledge updated	02	05	18	41	25
08	ICT is able to meet curricular and co-curricular activities	04	05	08	56	18
09	ICT is having effective interaction between teacher and students and within students	5	10	15	39	22
10	ICT is able to make students overall development	5	14	11	37	24

As per table no.1, 57 pre-service teachers are well aware of ICT and 23 teachers are neutral about ICT 31 pre-service teachers agree and only 5 teachers strongly agree with mastery over ICT. 74 Pre-service teachers are interested in learning ICT-related new things. About 49 Pre-service teachers are Using LMS in the teaching learning Process. 41 pre-service Teachers disagree with ICT is a time-consuming process. About 50 pre-service teachers think that ICT is cost-effective. About 66 pre-service teachers agree and strongly agree that ICT makes students knowledgeable. 56 pre-service teachers agreed and 18 teachers strongly agreed that ICT meets curricular and co-curricular activities. About 61 pre-service teachers think that ICT is effective in interacting with both teachers and students. About 61 pre-service teachers think that ICT can make overall development of students

**Table no: 2: In-service teachers understanding about ICT.**

Sr. No.	Statement	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
01	I am well aware bout new trends in ICT	02	03	10	33	12
02	I have a mastery over ICT	07	12	14	21	06
03	I am interested in learning new things related to ICT	01	03	9	16	31
04	I am using LMS in my teaching	04	03	19	24	10
05	Teaching with ICT is time consuming process	9	29	15	5	2
06	ICT is cost effective	9	6	17	26	8
07	ICT makes student knowledge updated	02	03	13	34	08
08	ICT is able to meet curricular and co-curricular activities	3	4	6	33	14
09	ICT is having effective interaction between teacher and students and within students	3	7	11	26	13
10	ICT is able to make students overall development	3	9	7	26	15

As per table no.2. 45 In-service teachers are well aware of ICT and 10 teachers are neutral about ICT 21 In-service teachers agree and only 6 teachers strongly agree with mastery over ICT. 74 In-service teachers are interested in learning ICT-related new things. About 47 In-service teachers are using LMS in the teaching learning Process. 44 In-service Teachers disagree with ICT is a time-consuming process. About 34 In-service teachers think that ICT is cost-effective. About 42 In-service teachers agree and strongly agree that ICT makes students knowledgeable. 33 In-service teachers agreed and 14 In-service are strongly agreed that ICT meets curricular and co-curricular activities. About 39 In-service teachers think that ICT is effective in interaction with both teachers and students. About 41 In-service teachers think that ICT can make overall development of students.

**Table no : 3. Pre-service teachers self-learning motivation status about ICT Learning**

Sr. No.	Statement	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
01	I have positive attitude towards ICT	02	03	11	46	29
02	I feel and observe satisfaction while teaching with ICT	03	05	12	56	15
03	ICT helps in enhancing teaching learning style	02	03	13	54	19
04	ICT creates enjoyment in both sides	02	04	41	31	13
05	ICT is good only in leisure time	05	20	26	31	9
06	ICT encourages me for self-learning	03	07	53	15	13
07	ICT develops creative thinking among teacher as well students	03	03	16	42	27
08	My colleagues are supportive in using ICT	02	07	13	52	17
09	Students prefers learning with ICT	4	6	19	45	17
10	Teaching with ICT improve Result	2	9	18	41	21

As per table no.3. 46 pre-service teachers agree and 29 strongly agree with a positive attitude towards ICT. About 71 pre-service teachers feel satisfaction while teaching with ICT. 54 pre-service teachers agree and 19 pre-service teachers strongly agree that ICT enhances learning styles. 41 teachers are neutral about ICT creating enjoyment in learning. 26 teachers are neutral about ICT being good for leisure time and nearly about 31 teachers agree and 9 teachers strongly agree with the statement. 53 pre-service teachers are neutral about ICT encouragement for self-learning. About 69 Pre-service teachers think that ICT develops creative thinking. About, 69 pre-service teachers' colleagues are supportive of ICT. About 62 pre-service teachers' students prefer learning with ICT. About 72 teachers support that teaching with ICT improve the result.



**Table no: 4.In-service teachers self-learning motivation status about ICT Learning**

Sr. No.	Statement	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
01	I have positive attitude towards ICT	2	3	5	35	15
02	I feel and observe satisfaction while teaching with ICT	2	3	8	36	11
03	ICT helps in enhancing teaching learning style	3	5	7	34	11
04	ICT creates enjoyment in both sides	2	3	31	19	5
05	ICT is good only in leisure time	2	12	18	21	07
06	ICT encourages me for self-learning	2	5	11	32	10
07	ICT develops creative thinking among teacher as well students	3	5	32	14	6
08	My colleagues are supportive in using ICT	3	5	11	29	12
09	Students prefers learning with ICT	3	7	11	27	12
10	Teaching with ICT improve Result	5	6	8	30	11

As per table no.4, 35 in-service teachers agree and 15 strongly agree with a positive attitude towards ICT. About 47 in-service teachers feel satisfaction while teaching with ICT.34 pre-service teachers agree and 11 in-service teachers strongly agree that ICT enhances learning styles.31 teachers are neutral about ICT creating enjoyment in learning.18 in-teachers are neutral about ICT being good for leisure time and nearly about 21 teachers agree and 7 in-teachers strongly agree with the statement.Abou42 in-service teachers think that ICT encourages self-learning.32in-service teachers are neutral about ICT developing creative thinking. About,41 in-service teachers' colleagues are supportive of ICT. About 39 pre-service teachers' students prefer learning with ICT. About 41 teachers support that teaching with ICT improve the result.

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